ANARTS News Bulletin 957 04 MAY 1997

This is the Australian National Amateur Radio Teleprinter Society,
We transmit on the following frequencies and times.

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  3.545 MHz (Plus/minus 5)   0930 UTC     VK2CTD (COL)
  7.045 MHz  -3              0030 UTC     VK2CTD (COL)
 14.070 MHz (amtor/fec)      0030 UTC     VK2DPM (ALAN)
 14.091 MHz                  0030 UTC     VK2DPM (ALAN)
146.675 MHz             0030/0930 UTC     VK2JPA (PAT)
144.850 MHz (ax25 bbs)                    VK2JPA AT VK2WI
146.675 MHz (rtty mmbbs/repeater)         VK2RTY


        INTERNET         RADIO-INFO-DIST AT UCSD.EDU
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Col, VK2CTD, would like to see you calling in or back to his relay of the Broadcast. He relays the cast on 40 Metres Sunday mornings and on 80 Metres Sunday evenings.

Views expressed in this news bulletin are not necessarily those of the Broadcast Officer, the Relay Officers, or of the Society.

A.N.A.R.T.S. News Bulletin 957 04 MAY 1997

COLS COLUMN

MICHAEL FARADAY WROTE A PAPER IN 1831, THE TEXT OF WHICH DESCRIBES HIS EXPERIMENTS WITH ELECTROMAGNETISM. HE HAD DISCOVERED THAT AN ELECTRIC CURRENT WAS INDUCED IN A COIL OF WIRE IF A MAGNET WAS PASSED THROUGH IT. HE THOUGHT THAT PERHAPS A CURRENT COULD BE INDUCED IN A COIL BY ANOTHER CLOSE TO IT AND THROUGH WHICH A CURRENT WAS FLOWING.

JOSEPH HENRY HAD USED AN ELECTRO-MAGET TO WIND HIS COILS ON. FARADAY USED A SOFT IRON BAR THAT HAD BEEN WELDED INTO A CONTINUOUS RING. THE IRON BAR WAS SEVEN EIGTHS OF AN INCH THICK AND WELDED INTO A RING, THE OUTSIDE DIAMETER OF WHICH WAS 6 INCHES. CALICO WAS PLACED AROUND THE RING AND THEN UNINSULATED WIRE WAS USED TO WIND THE COIL. EACH TURN WAS CAREFULLY INSULATED FROM THE OTHER BY A WINDING OF STRING AND EACH LAYER OF WINDINGS WITH ANOTHER LAYER OF CALICO. TWO COILS WERE WOUND ON OPPOSITE SIDES OF THE RING AND COMPLETELY SEPARATE FROM EACH OTHER.

THE ENDS OF ONE COIL WERE CONNECTED TO A GALVANOMETER 3 FEET FROM THE IRON RING. THE ENDS OF THE OTHER COIL (NOW CALLED THE PRIMARY) WERE CONNECTED TO A BATTERY. AT THE MOMENT OF CONNECTION TO THE BATTERY, THE GALVANOMETER GAVE A MOMENTARY DEFLECTION AND THEN RETURNED TO THE ZERO POSITION. THE CURRENT WAS STILL FLOWING IN THE PRIMARY COIL. AS THE BATTERY WAS DISCONNECTED THE GALVANOMETER AGAIN DEFLECTED MOMENTARILY. IN OTHER WORDS, AN ELECTRIC CURRENT FLOWED IN THE SECONDARY COIL WHEN THE CURRENT IN THE PRIMARY CHANGED. FARADAY HAD MADE HIS FIRST TRANSFORMER.

FARADAY CALLED HIS DISCOVERY 'ELECTROMAGNETIC INDUCTION', IT WAS OF NO PRACTICAL USE BECAUSE DIRECT CURRENT ONLY WAS BEING USED AT THE TIME. IN OUR MODERN DAY OF USING ALTERNATING CURRENT FOR COMMUNICATIONS THE TRANSFORMER IS INDISPENSABLE.

WE CONTINUE WITH MICHAEL FARADAY NEXT WEEK, FOR NOW 73S

DE COL VK2CTD

IPS WEEKLY SOLAR AND GEOPHYSICAL REPORT
(25 APRIL - 01 MAY)

ISSUED ON 02 MAY 1997

SUMMARY

Date	25	26	27	28	29	30	01
10cm	69	71	73	72	72	73	72
A	8	5	4	3	3	13	(15 ESTIMATED
T	7	4	9	9	14	11	17

SOLAR ACTIVITY WAS VERY LOW ALL WEEK.

GEOMAGNETIC ACTIVITY AT LEARMONTH W.A. WAS QUIET 26TH AND 27TH; QUIET TO UNSETTLED 25TH AND 28TH; MOSTLY QUIET TO UNSETTLED, WITH AN ACTIVE PERIOD, ON 30TH; AND QUIET TO UNSETTLED ON 1ST TO 13UT, THEN ACTIVE AFTER A SUDDEN IMPULSE AT THAT TIME. THERE WAS NO REPORT ON 29TH DUE TO MAINTENANCE WORK.

FREQUENCIES WERE NEAR PREDICTED MONTHLY VALUES EXCEPT FOR 29TH WHEN THERE WAS ENHANCEMENT TO 20 PER CENT DURING LOCAL NIGHT.

FORECAST (02 MAY - 08 MAY)

SOLAR VERY LOW

GEOMAGNETIC: ACTIVE TO MINOR STORM ON 2 MAY. UNSETTLED 3 MAY, THEN QUIET TO UNSETTLED FOR REMAINDER OF WEEK.

FREQUENCIES: DEGRADED/DEPRESSED 15 PERCENT IN SOUTHERN REGION (MID TO HIGH LATITUDES) ON 2 MAY. NEAR PREDICTED MONTHLY VALUES FOR REMAINDER OF WEEK.

COURTESY OF IPS RADIO AND SPACE SERVICES

RTDX0425 RTTY DX
VK2SG RTTY DXNOTES FOR WEEKENDING APRIL 25, 97 (BID RTDX0425)

OUR THANKS THIS WEEK GO TO: ZS5S, W2JGR, WB2CJL, WX5L,W5KSI, AA5AU, KB2ZP, DL1RWN,SP4KM, SP3BGD,PA0HVF, DF2KU,I2PKF,IK5WWB,I5IGQ, I1JQJ AND THE 425 DX GANG, DJ3IW AND THE CENTRAL-EUROPE DX CLUSTER DB0SPC THE NJ0M NODE OF MINNESOTA AND THE IK5PWJ CLUSTER.

BANDPASS:
FRIDAY 18
0004-14084 EM1KA
0932-14086 OY4TN
0933-14082 CN8LI
1446-14087 4L1BR
1457-14083 YB5NOF/8
1523-14080 OD5NJ
1617-14085 VU3BGS
1812-14078 EM1HO
1814-14082 4S5BRG
1852-14088 5H3LM
1852-14081 EA8AW

1915-14086 CN8AT
1923-14081 EA6BH
2001-14081 LU2HNZ
2026-14082 9Q5PA
2051-14083 EK6OCM qsl via K6EID

SATURDAY 19
0626-14082 OD5NJ
0747-14084 IY0TCI
0916-14078 CN8LI
0935-14083 YI1HK
1111-14083 4L1BR
1138-14085 WJ2DX/IMD
1516-14083 VU2OXX
1728-14083 OD5NJ
1729-14089 EA9JZ
1738-14078 EM1HO qsl via I2PJA
1750-14088 9G1UW
1751-14081 EA8AFD
1751-14085 9Q5PA
1905-14066 XU2FB Pactor
1955-14073 5B4AFQ
2031-14083 PJ2MI
2054-14088 HK3SGP
2217-14088 XE3EA

SUNDAY 20
0155-14085 VK8TH
0744-14079 5B4AFQ
0802-14085 EA6BH
1151-14083 4L1BR
1158-14082 GI4WXA
1159-14082 EM1HO
1206-14086 OY4TN
1355-14084 XU2FB
1412-14083 VU2OXX
1417-14081 9A3FT
1429-14084 CN8NK
1513-14086 LZ1LZ
1651-14088 EA9JZ
1719-14085 VY2SS
1816-14083 EK6OCM
1907-14081 EM1HO
1954-14080 A61AN
2050-14084 OY4TN
2053-14085 4X6UO
2105-14082 WP4Q
2322-14077 XE3WMA
2330-14082 LU1CIB

MONDAY 21
1239-14081 TA2LZ
1310-14088 4X6UO
1808-14085 EM1HO
2141-14082 IS0GYV
2145-14084 XE1FES

TUESDAY 22
1603-14087 7Q7EH
2032-14087 CO2AV
2035-14083 IS0BVH
2212-14083 FG5GI
2327-14082 EM1HO

WEDNESDAY 23
0046-14081 XE1FES
0730-14079 EA8ADJ
1034-14087 EK6OCM
1126-14089 HK3BZO
1144-14082 YL2DX
1241-14085 OK2SKU
1359-14089 4S7BRG
1501-14087 4Z5AV
1517-14084 UA9TK
1652-14082 EM1HO

THURSDAY 24
1206-14073 TL8MS Pactor
1218-14086 TA2IO
1231-14090 ER3KS
1537-14085 4L1BR
1731-14087 4X6UO
1733-14085 YL1XX
1911-14082 EM1HO

NOTES OF INTEREST:

GUYANA, 8R. Look for Yuki,JH1NBN signing 8R1ZB from April 25 until April 29 on ssb, cw and RTTY. QSL via home call.

ST. VINCENT, J8. From 29 April till May 4 Yuki will than operate as J83ZB. QSL via home call.

MALDIVES, 8Q. Juanjo, EA2BP and Jose, EA2CLU will be operating from May the 4th to May 14th activity may include also RTTY. Qsl via home calls.

RHODES, SV5. Five Hungarian amateurs will sign /SV5/p from June 3rd to June 17. They will be on the air 24 hours a day on all HF bands. Qsl via home calls.

LIECHTENSTEIN, HB0. Between May 7 to May 11 DJ9SI, DJ8KI and DL8SET will operate from near Triesenberg at 1600 mtr. from sea level. They promise to be active also in Pactor. Qsl homecalls.

SCARBOROUGH, BS7H. Latest infos report they should start activity 30 April for approximately seven days. RTTY qrg used will be 14083 and 21083. The operating team requests that DXers who worked the BS7H '95 operation refrain from making additional QSOs on the same band-mode. Similarly, RTTY QSOs on multiple bands are discouraged. QSL via JA1BK (Japan stations only) and W4FRU (all the others).

The VK2SG RTTY DXNOTES are also available on Internet at reflector digital-dx@st.rim.or.jp. See also the OH2BUA WebCluster at URL http://www.clinet.fi/~jukka/rtty.html

For next week's bulletin send your bandpass to Bob, WB2CJL@W5KSI.#NOLA.LA.USA.NA or e-mail wb2cjl@juno.com

GL de (DX2) Luciano, I5FLN

ARLD019 DX news

This week's bulletin was made possible with info provided by Tedd, KB8NW, the OPDX Bulletin, The 599Rpt, Toshi, JA1ELY, 425dxnews, FMRE and Contest Corral from QST. Thanks to all.

MAURITIUS, 3B8. Fred, F6DBZ, will be QRV from here as 3B8/F6DBZ using CW and SSB, from April 26 to May 21. QSL to home call.

SPAIN, EA. Club station EA2URD will sign EG97CMC until October 12 to celebrate the 1997 World Cycling Championship in San Sebastian. Activity will be on all bands and modes. QSL to EA2URD.

SWITZERLAND, HB. Special Event Station HB4FG will be QRV April 26 and 27 in celebration of the 90th anniversary of the Firemen of Cavergno. Look for CW and SSB operations on 80, 40 and 20 meters. QSL via bureau.

BULGARIA, LZ. In commemoration of the 2nd IARU High Speed Telegraphy Championship taking place in Sofia, Special Event Station LZ0HST will be active until October 30. QSL via bureau.

SUDAN, ST. Sid, ST2SA, has been active from here. Look for him to be QRV on Saturdays and Sundays between 2000 and 2400z on 20 meters. QSL via CBA.

The Ohio/Penn Dx PacketCluster
DX Bulletin No. 302 - EXCERPTS

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, W3UR and The Daily DX, WB2YQH DXReport, WA2MOE, K4YT/DL4YT, N4AA and QRZ DX, WD8MGQ, DJ5AV and DX News Letter, EA6XX, F6AJA, G3SWH, GM4FDM, JA1ELY, OE3KLU and UA9XEN for the following DX information.

3X, GUINEA. Philippe, F5IEV (ex-TR8LVP), now signing 3XY3A, from Conakra, will be active until June 15th. He can usually be found active on 14020 and 14130 kHz. He has also been reported on 21236 kHz between 1730 and 1830z. QSL via F5IEV.

8Q, MALDIVE ISLANDS. Mike/OE3MZC and his XYL Barbara/OE3YCB, will be active from Rashdu-Atoll (Island Kuramati) from April 30th to May 14, as 8Q7MZ and 8Q7BZ, respectively. Activity will be on all HF-bands but mostly on the IOTA frequency of 14260 kHz. The pair will be using a TS-50s with 100 watts and a dipole antenna hanging from a palmtree. The island's measurements are 2500m long by 500m wide, and it is one of the largest island in Maldives. QSL via the bureau homecall or via their QSL Manager OE1PYA or direct to PO BOX 96, A-1234 Vienna, Austria, EUROPE.

D2, ANGOLA. Stu, WAMOE, reports to OPDX that he is the new QSL manager for D2EB. Send cards direct, no bureau cards. Meanwhile, Gabriele, D2EB, can usually be found on or around 21222 kHz at 1100z or between 1730 and 1900z. Also, check 14240 kHz at or around 2215z.

FR, REUNION ISLAND. Helmut, DJ4VW, will be active from here May 1-15th, as FR/DJ4VW. Activity will be on 160-10 meters. He likes operating on 17 meters, so look for him 18165 kHz.

HS, CHANG ISLAND. A DXpedition to this Thai island (IOTA AS-125), located in the 'Gulf Of Thailand North East Group', may take place on May 7-11 with the callsign HS50A or HS2A.

NEW BEACON. Toshi, JA1ELY (Editor of 'The 59 Magazine'), reports a new 10 meters beacon is running in Japan. The beacon's callsign is JA7ZMA and operates on 28.188 MHz from Fukushima (Grid Locator-QM07). It is running on 50 watts from a stacked turnstile dipole at 700m above sea level and transmits 'VVV DE JA7ZMA JA7ZMA JA7ZMA QM07' (5 sec QRX then repeat).

SPECIAL EVENT STATION. Look for activity by TM2VH from the War Muesum in France which will be opening on May 10 to 11th.

S7, SEYCHELLES. The 'DX News Letter' reports that Paddy, S79MAD, has returned from his stay in GW and is back on air for four more months. Activities will include RTTY on the WARC bands. QSL via GW4WVO.

T30, WEST KIRIBATI. As reported in last week's OPDX.301, Tada, JA1WPX, will be active as T30WP. He was reported on 20 and 40 meters CW. Check around 7003 kHz between 0930 and 1200z and around 14014 kHz between 0130 and 0315z. QSL via JA1WPX.

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries caned at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD at VK2WI, or the Secretary (Pat) VK2JPA at VK2WI.

Email address for the Broadcast Officer is :

patl@pitt.conmusic.su.oz.au
or patl@extro.ucc.su.oz.au

73s de Pat VK2JPA Anarts Broadcast Officer.

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Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2KFU.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99